

09-17-0410 Rec'd PCT/PTO 14 SEP 2001 CT

FORM PCT/1390
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

4 2001 INTERNATIONAL APPLICATION NO. PCT/US00/01434	INTERNATIONAL FILING DATE 21 JANUARY 2000	PRIORITY DATE CLAIMED 08 FEBRUARY 1999
TITLE OF INVENTION COOLING-TOWER FAN AIRFOILS		
APPLICANT(S) FOR DO/EO/US JAMES L. TANGLER AND DAN M. SOMERS		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A **FIRST** preliminary amendment.
14. A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. A substitute specification.
16. A change of power of attorney and/or address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information:

Post Card Receipt

U.S. APPLICATION NO. 11/144500, Ser. 37 CFR 1.492

INTERNATIONAL APPLICATION NO.

PCT/US00/01434

ATTORNEY'S DOCKET NUMBER

NREL 99-17

21. The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(l)-(4) \$690.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(l)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT**CALCULATIONS PTO USE ONLY**Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 100.00

\$ 130.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	10 -20 =	0	x \$18.00 9	\$ 0
Independent claims	5 -3 =	2	x \$80.00 40	\$ 160.00

MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$270.00	\$ 0
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TOTAL OF ABOVE CALCULATIONS =

\$ 390.00

<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	+	\$
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SUBTOTAL -

\$ 195.00

Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).	\$
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TOTAL NATIONAL FEE =

\$

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	\$
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TOTAL FEES ENCLOSED =

\$ 195.00

	Amount to be refunded:	\$
	charged:	\$ 195.00

- A check in the amount of \$ 144460 to cover the above fees is enclosed.
- Please charge my Deposit Account No. 144460 in the amount of \$ 195.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 144460. A duplicate copy of this sheet is enclosed.
- Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Paul J. White
SIGNATURE

Paul J. White
National Renewable Energy Laboratory
1617 Cole Blvd.
Golden, CO 80401

Paul J. White
NAME
30436
REGISTRATION NUMBER

410 Rec'd PCT/F

14 SEP 2001

09/936802

The PTO did not receive the following
list of item(s):

NO POST CARD

09/936802

JC1 rec'd PCT/PTO SEP 14 2001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James L. Tangler et al.)
Serial No.: Not Yet Accorded) Group Unit: Not Yet Accorded
Filing Date: Not Yet Accorded) Examiner: Not Yet Accorded
Title: Cooling-Tower Fan Airfoils) Atty Dkt. No.: NREL 99-17

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

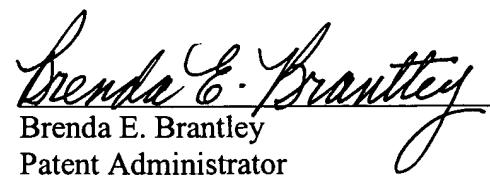
Express Mail Mailing Label No. EJ200220801US

Date of Deposit September 14, 2001

I hereby certify that the following documents:

- 1) Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371 [2 pages]
- 2) Petition for Revival of an International Application for Patent Designating the U.S. Abandoned Unintentionally Under 37 CFR 1.137(b) [2 pages]
- 3) Un-executed Combined Declaration & Power of Attorney [2 pgs.]
- 4) Copy of International Patent Application [description 10 pgs, claims 4 pgs., abstract 1 pg + 1 sheet drawings] 16 pages
- 5) Self-Address Postcard Receipt

are being deposited in the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, U.S. Patent & Trademark Office, Box DAC, Washington DC 20231.


Brenda E. Brantley
Patent Administrator

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Golden, CO 80401
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Fax No. 303/384-7499